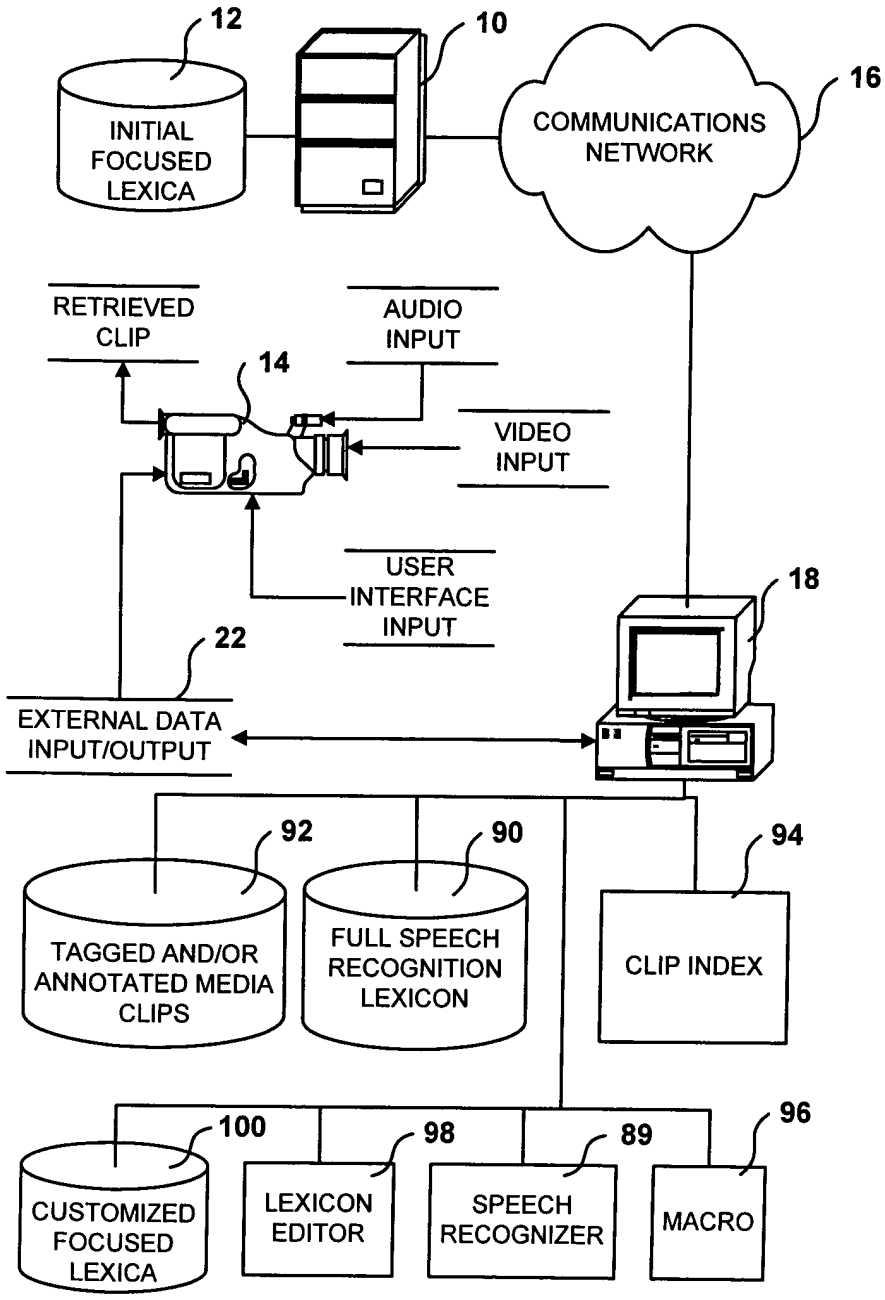
12
10
16
INITIAL FOCUSED LEXICA
COMMUNICATIONS NETWORK
RETRIEVED CLIP
AUDIO INPUT
14
VIDEO INPUT
USER INTERFACE INPUT
18
22
EXTERNAL DATA INPUT/OUTPUT
92
90
94
TAGGED AND/OR ANNOTATED MEDIA CLIPS
FULL SPEECH RECOGNITION LEXICON
CLIP INDEX
100
98
89
96
CUSTOMIZED FOCUSED LEXICA
LEXICON EDITOR
SPEECH RECOGNIZER
MACRO

Figure - 1

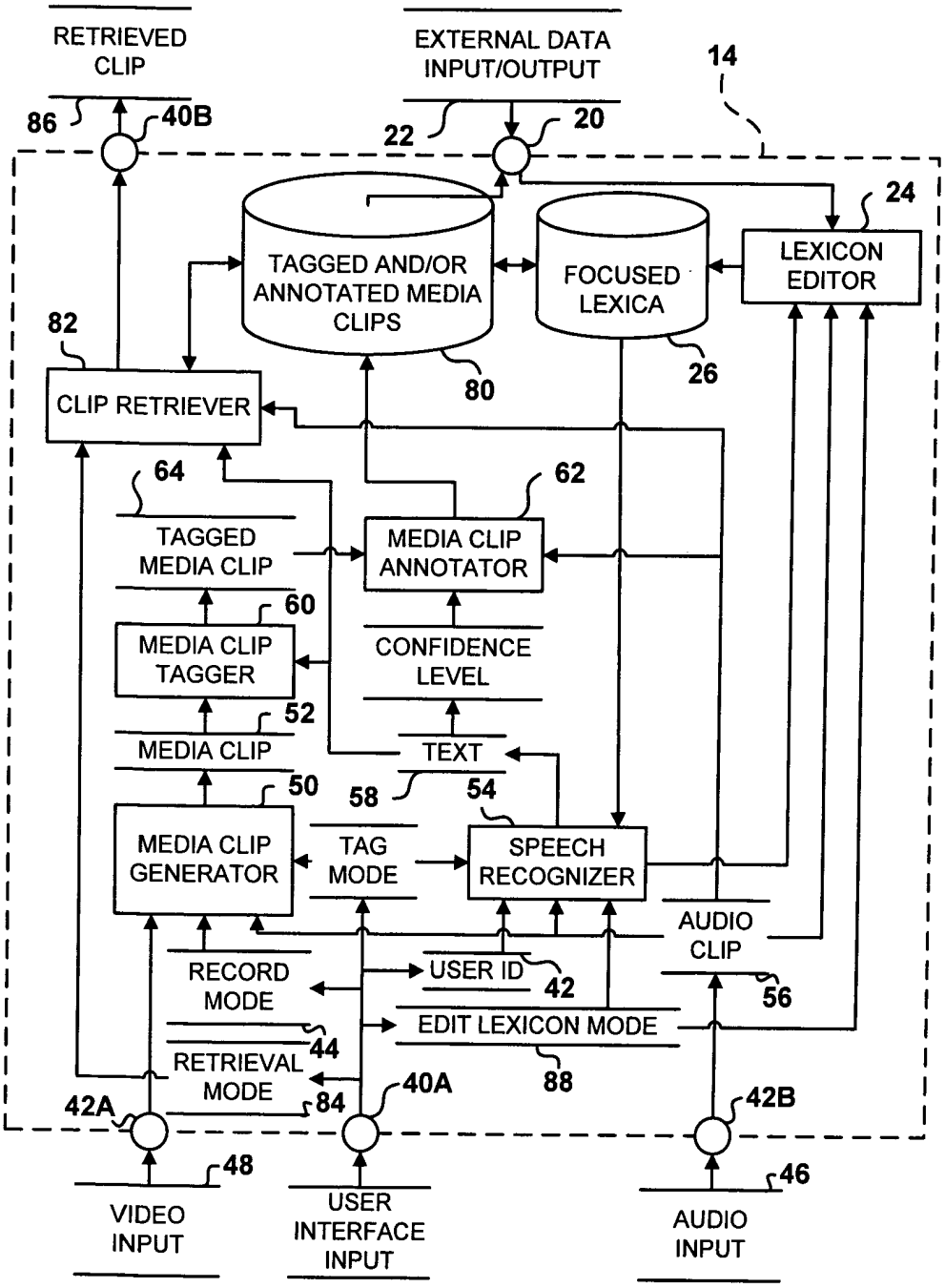
RETRIEVED CLIP
EXTERNAL DATA INPUT/OUTPUT
14
86
40B
22
20
24
TAGGED AND/OR ANNOTATED MEDIA CLIPS
FOCUSED LEXICA
LEXICON EDITOR
82
80
26
CLIP RETRIEVER
64
62
TAGGED MEDIA CLIP
MEDIA CLIP ANNOTATOR
60
MEDIA CLIP TAGGER
CONFIDENCE LEVEL
52
MEDIA CLIP
TEXT
50
58
54
MEDIA CLIP GENERATOR
TAG MODE
SPEECH RECOGNIZER
AUDIO CLIP
RECORD MODE
USER ID
42
56
EDIT LEXICON MODE
44
RETRIEVAL MODE
88
42A
84
40A
42B
48
46
VIDEO INPUT
USER INTERFACE INPUT
AUDIO INPUT

Figure - 2

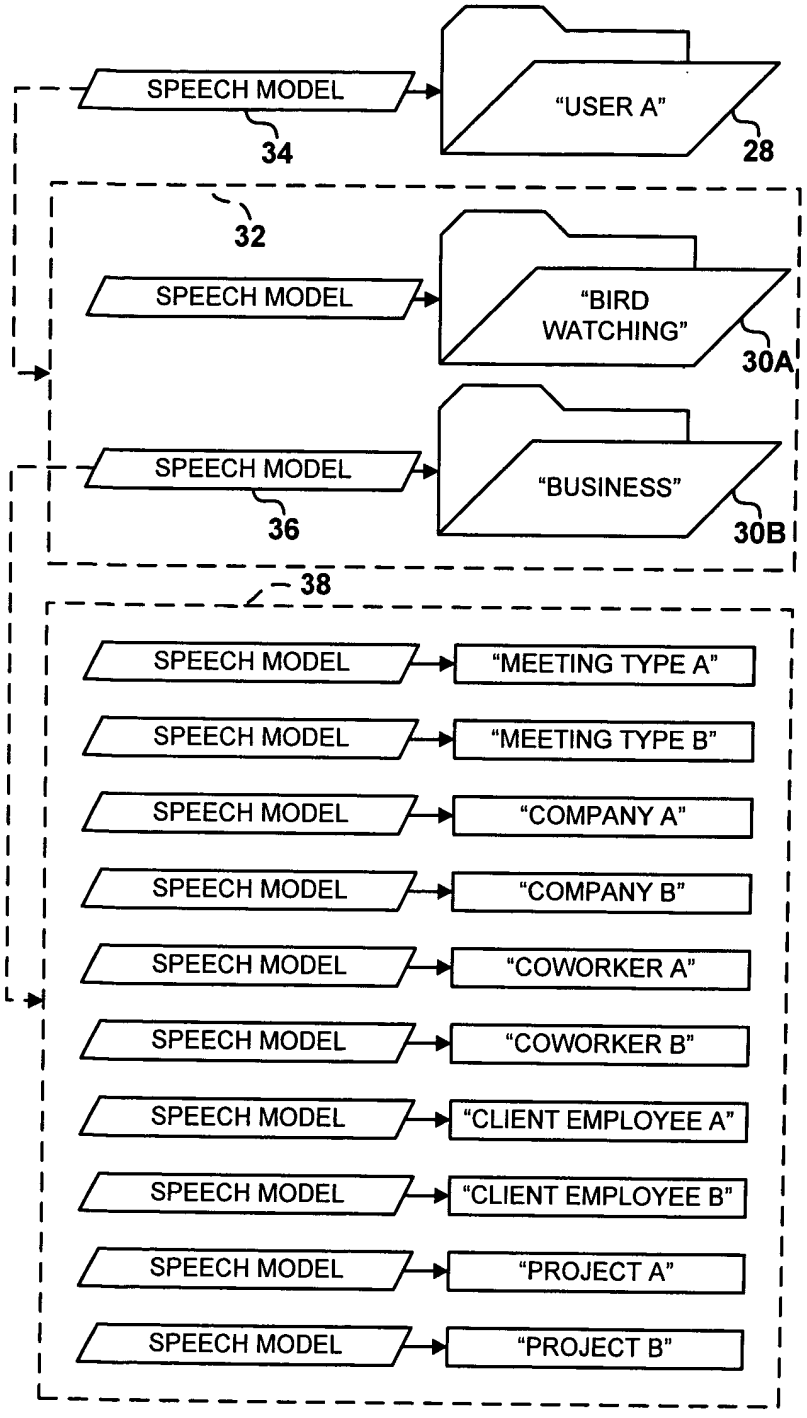
SPEECH MODEL
34
"USER A"
28
32
SPEECH MODEL
"BIRD WATCHING"
30A
SPEECH MODEL
36
"BUSINESS"
30B
38
SPEECH MODEL
"MEETING TYPE A"
SPEECH MODEL
"MEETING TYPE B"
SPEECH MODEL
"COMPANY A"
SPEECH MODEL
"COMPANY B"
SPEECH MODEL
"COWORKER A"
SPEECH MODEL
"COWORKER B"
SPEECH MODEL
"CLIENT EMPLOYEE A"
SPEECH MODEL
"CLIENT EMPLOYEE B"
SPEECH MODEL
"PROJECT A"
SPEECH MODEL
"PROJECT B"

Figure - 3

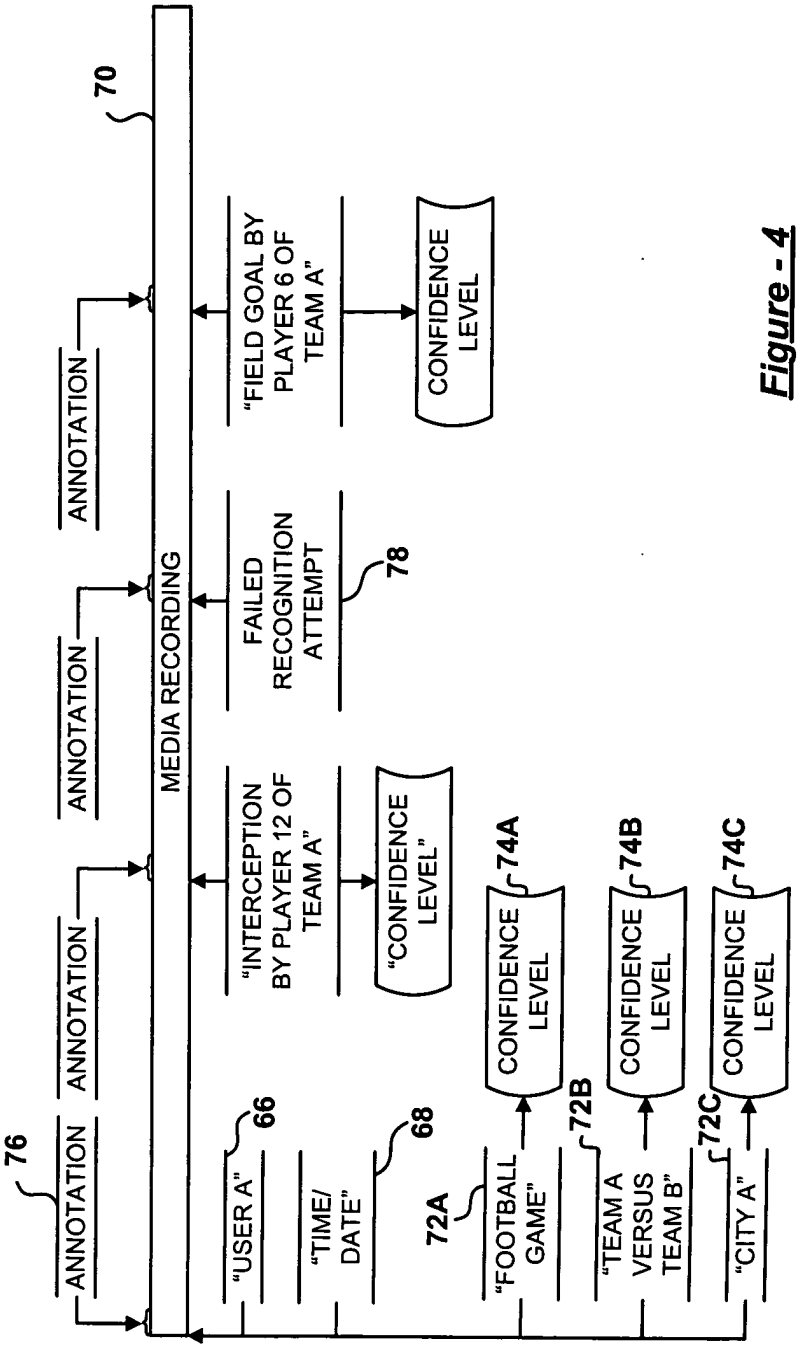
70
MEDIA RECORDING
ANNOTATION
76
"USER A"
66
"TIME/ DATE"
68
72A
"FOOTBALL GAME"
72B
"TEAM A VERSUS TEAM B"
72C
"CITY A"
ANNOTATION
"INTERCEPTION BY PLAYER 12 OF TEAM A"
"CONFIDENCE LEVEL"
CONFIDENCE LEVEL
74A
CONFIDENCE LEVEL
74B
CONFIDENCE LEVEL
74C
ANNOTATION
FAILED RECOGNITION ATTEMPT
78
ANNOTATION
"FIELD GOAL BY PLAYER 6 OF TEAM A"
CONFIDENCE LEVEL

Figure - 4

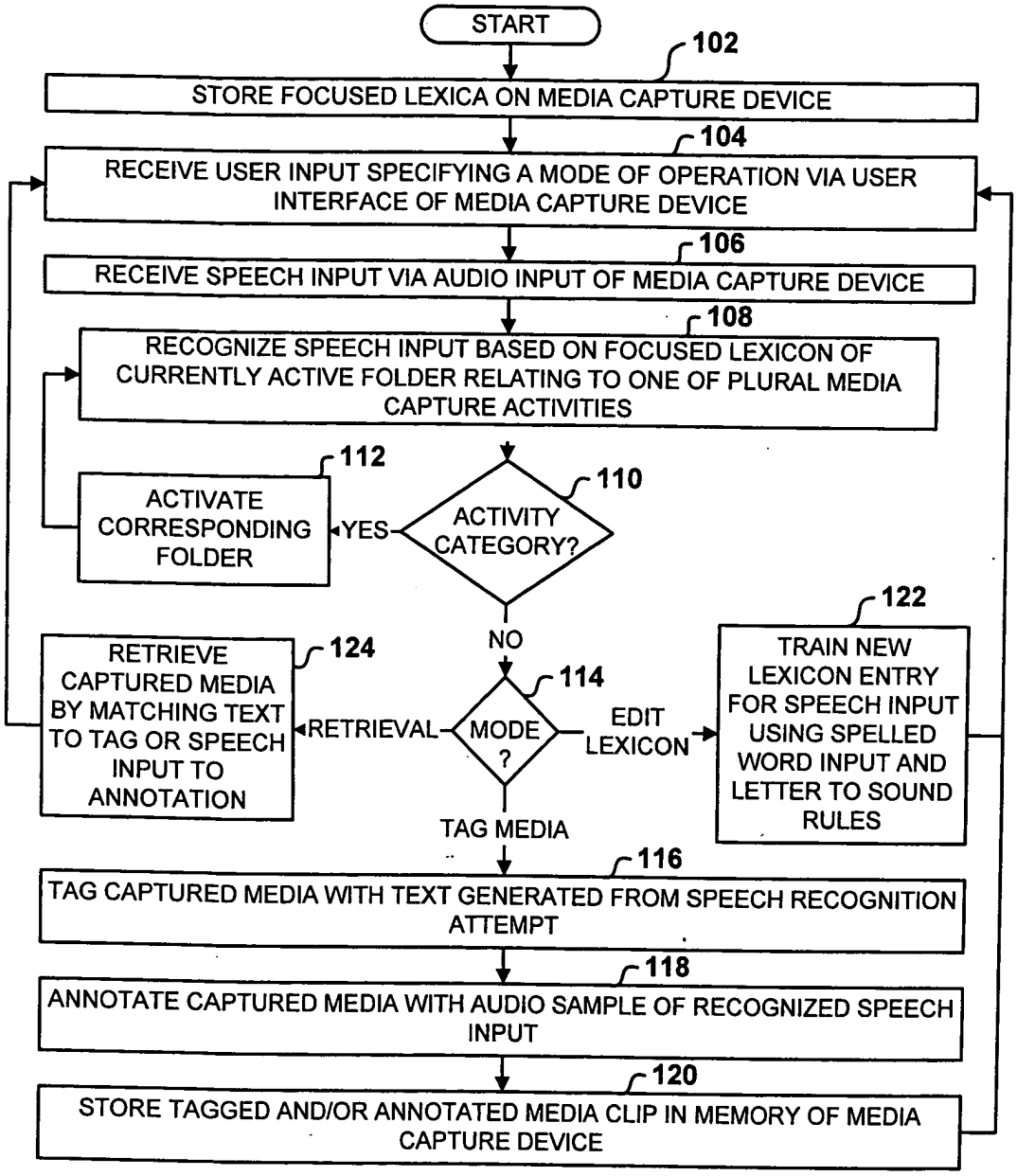
START
102
STORE FOCUSED LEXICA ON MEDIA CAPTURE DEVICE
104
RECEIVE USER INPUT SPECIFYING A MODE OF OPERATION VIA USER INTERFACE OF MEDIA CAPTURE DEVICE
106
RECEIVE SPEECH INPUT VIA AUDIO INPUT OF MEDIA CAPTURE DEVICE
108
RECOGNIZE SPEECH INPUT BASED ON FOCUSED LEXICON OF CURRENTLY ACTIVE FOLDER RELATING TO ONE OF PLURAL MEDIA CAPTURE ACTIVITIES
110
ACTIVITY CATEGORY?
YES
112
ACTIVATE CORRESPONDING FOLDER
NO
114
MODE ?
RETRIEVAL
124
RETRIEVE CAPTURED MEDIA BY MATCHING TEXT TO TAG OR SPEECH INPUT TO ANNOTATION
EDIT LEXICON
122
TRAIN NEW LEXICON ENTRY FOR SPEECH INPUT USING SPELLED WORD INPUT AND LETTER TO SOUND RULES
TAG MEDIA
116
TAG CAPTURED MEDIA WITH TEXT GENERATED FROM SPEECH RECOGNITION ATTEMPT
118
ANNOTATE CAPTURED MEDIA WITH AUDIO SAMPLE OF RECOGNIZED SPEECH INPUT
120
STORE TAGGED AND/OR ANNOTATED MEDIA CLIP IN MEMORY OF MEDIA CAPTURE DEVICE

Figure - 5